

FY 2014 STEM Council Nontraditional STEM Tchr recruitment

\$211,109 -- proposed to support Exec. Order 74: "... identify, recruit, prepare, and support the best mathematics and science teachers."

Program: Iowa Teacher Intern License Pathway (ITILP), designed to help talented professionals answer the call to teach by attaining a secondary (grades 7-12) teaching license, usually in a high-needs content area. Currently the program prepares eight to nine math and science teachers annually.

ITILP: <http://iowateacherintern.org/>

Rationale: With the phasing out of support for the *Iowa-Teach Math & Science* program, the Governor's STEM Advisory Council has no programming to fulfill the mandate of the executive order to recruit and prepare the best mathematics and science teachers. Meanwhile, school leaders cite these fields as difficult-to-fill shortage areas; industry leaders cite the plentiful availability of talent (e.g., retirees and career changers) to fill the shortage. A study conducted by the Iowa Mathematics & Science Education Partnership in 2009 determined that a significant proportion of STEM graduates of Iowa's public universities over the last two decades would be "very" or "somewhat" likely to consider teaching if factors such as the coursework and licensing requirements were more flexible and navigable (http://www.iowastem.gov/imsep/sites/default/files/report_non_trad.pdf).

Proposal: Bolster the number of math and science teaching candidates in the ITILP to **25** in FY 2014.

Component	Cost
Market the program to potential recruits via partnership with business and industry associations.	\$5,554.50
Market the program to school districts across Iowa for buy-in into the internship component.	\$5,554.50
Scholarship 20 candidates at \$10,000 each with the requirement of 2 years teaching in Iowa upon completion.	\$200,000
	\$211,109